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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 5

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Application Number 09/780,675  
Filing Date February 12, 2001  
First Named Inventor NICOLAIDES et al.  
Group Art Unit 164T 1636  
Examiner Name Unassigned  
Attorney Docket Number 01107.00098

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## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
TMT		5,907,079		Mak et al.	05/25/1999	—
TMT		6,146,894		Nicolaides et al.	11/14/2000	—
TMT		6,191,268	B1	Liskay et al.	02/20/2001	—

## FOREIGN PATENT DOCUMENTS

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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
TMT		PCT	WO 99/19492		Betzner et al. Doutriaux	04/22/1999	—	
TMT		PCT	WO 97/08312		Kinzel et al. Vogelstein	03/06/1997	—	

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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TMT		Allen, D., et al., "MutS mediates heteroduplex loop formation by a translocation mechanism" <i>EMBO J.</i> , 1997, 16(14), 4467-4476.	
TMT		Baker, S.M., et al., "Male mice defective in the DNA mismatch repair gene PMS2 exhibit abnormal chromosome synapsis in meiosis" <i>Cell</i> , 1995, 82, 309-319.	
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duplicate		Fishel, R. et al. "The human mutator gene homolog MSH2 and its association with hereditary nonpolyposis colon cancer." <i>Cell</i> 1993, 7:1027-1038.	

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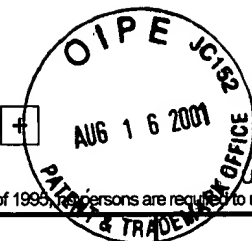
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Application Number	09/780,675
Filing Date	February 12, 2001
First Named Inventor	NICOLAIDES et al.
Group Art Unit	184T 1636
Examiner Name	Unassigned
Attorney Docket Number	01107.00098

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mmf		Galio, L., et al., "ATP hydrolysis-dependent formation of a dynamic ternary nucleoprotein complex with MutS and MutL" <i>Nucleic Acids Research</i> , 1999, 27(11), 2325-2331.	
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mmf		Leach, F.S., et al., "Mutations of a mutS homolog in hereditary nonpolyposis colorectal cancer" <i>Cell</i> , 1993, 75, 1215-1225.	
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mmf		Liu, W. et al., "Microsatellite instability as a predictor of a mutation in a DNA mismatch repair gene in familial colorectal cancer" <i>Genes, Chromosomes &amp; Cancer</i> , 2000, 27, 17-25.	

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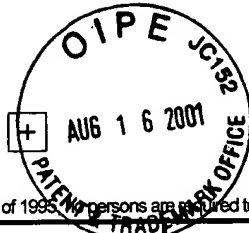
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Application Number	09/780,675
Filing Date	February 12, 2001
First Named Inventor	NICOLAIDES et al
Group Art Unit	1641 1636
Examiner Name	Unassigned
Attorney Docket Number	01107.00098

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<del>duplicate</del>		Liu, T., et al., "Microsatellite instability as a predictor of a mutation in a DNA mismatch repair gene in familial colorectal cancer" <i>Genes, Chromosomes &amp; Cancer</i> , 2000, 27, 17-25.	
nmf		Liu et al., "Analysis of Mismatch Repair Genes in Hereditary Non-polyposis Colorectal Cancer Patients" <i>Nature Medicine</i> , February 1996, 2(2), 169-174.	
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nmf		Nicolaides, N.C., et al., "The Jun family members, c-Jun and JunD, transactivate the human c-myc, promoter via an Ap1-like element" <i>J. Biological Chemistry</i> , 1992, 267(27), 19655-19672.	
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### Complete if Known

Application Number	09/780,675
Filing Date	February 12, 2001
First Named Inventor	NICOLAIDES et al.
Group Art Unit	164T 1630
Examiner Name	Unassigned
Attorney Docket Number	01107.00098

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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TMJ		Nicolaides, N.C., et al., "Mutations of two PMS homologues in hereditary nonpolyposis colon cancer" <i>Nature</i> , 1994, 371, 75-80.	
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TMJ		Papadopoulos, N., et al., "Mutation of a <i>mutL</i> homolog in hereditary colon cancer" <i>Science</i> , 1994, 263, 1625-1629.	
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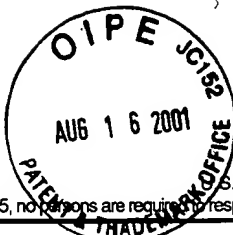
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Application Number	09/780,675
Filing Date	February 12, 2001
First Named Inventor	NICOLAIDES et al.
Group Art Unit	1641 1036
Examiner Name	Unassigned
Attorney Docket Number	01107.00098

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AMT		Spampinato, C., et al., "The MutL ATPase is required for mismatch repair" <i>J. Biological Chemistry</i> , 2000, 275(13), 9863-9869.	
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AMT		Vora, K.A. et al., "Severe Attenuation of the B Cell Immune Response in Msh2-deficient Mice" <i>Journal of Experimental Medicine</i> , February 1999, 189(3), 471-481.	
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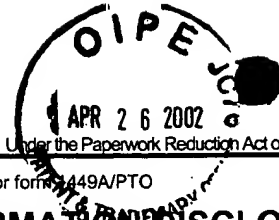
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			Application Number	09/780,675	
			Filing Date	February 12, 2001	
			First Named Inventor	Nicholas C. Nicolaides et al.	
			Group Art Unit	1641	
			Examiner Name	TBA	
Sheet	1	of	1	Attorney Docket Number	001107.00098

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nmf		Fishel, R. et al., "The Human Mutator Gene Homolog MSH2 and its Association with Hereditary Nonpolyposis Colon Cancer", <u>Cell</u> , Vol. 75, pp. 1027-1038 (1993)	
nmf		Prudhomme, M. et al., "Mismatch Repair Genes of <i>Streptococcus pneumoniae</i> : HexA Confers a Mutator Phenotype Rehotype in <i>Escherichia coli</i> by Negative Complementation", <u>Journal of Bacteriology</u> , Vol. 173, No. 22, pp. 7196- 7203, (1991)	
nmf		Aronsham, Al. et al., "Dominant Negative Mutator Mutations in the mutL Gene of <i>Escherichia coli</i> ", <u>Nucleic Acids Research</u> , Vol. 24, No. 13, pp. 2498-2504 (1996)	
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